

WHAT IS CLAIMED IS:

1. A system comprising:

a controller;

a monitor connected with said controller;

at least one object to be controlled, said object connected with said controller;

development means for developing a program for said controlled object;

implement means for implementing the program developed by said development means; and

a software module uniquely assigned to said object, said software module being in a form of software providing at least one of procedures including,

an icon procedure for displaying an icon for said object in a display area on said monitor,

a description procedure for describing a control process for said object, and

an implement procedure for implementing the control process developed for said object.

2. The system according to Claim 1,

wherein said object includes at least one device from which said development means acquires a global unique ID or another similar data thereto, and

wherein said development means identifies said

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software module with the global unique ID or another similar data thereto.

3. The system according to Claim 2,

wherein said software module is stored within said object so that said development means acquires said software module from said controlled object.

4. The system according to Claim 2,

wherein said software module is stored within a database server connected with said development means through a communication bus so that said development means acquires said software module from the database server.

5. The system according to Claim 2,

wherein said development means provides a display area on the monitor, in which at least one icon is displayed, the icon representing for said object connected to said controller or said object to be connected to said controller.

6. The system according to Claim 5,

wherein the icon procedure displays a plurality of icons in the display area on said monitor, each icon illustrating a current status of said object.

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7. The system according to Claim 5,
wherein said development means provides a development area on said monitor, and
wherein the user copies the icon from the display area onto the development area, thereby to develop the program.
8. The system according to Claim 7,
wherein the user utilizes the description procedure for describing a control process for said object determining an operation of said object, thereby to develop the program.
9. The system according to Claim 8,
wherein the icon procedure displays a plurality of icons in the display area on said monitor, each icon illustrating an operation of said object.
10. The system according to Claim 7,
wherein the user connects a plurality of the icons with each other to form a flowchart in the development area, thereby to develop the program.
11. The system according to Claim 9,
wherein said development means displays the icons in

the display area, and simulates the operation of said object while the program is simulated, whereby the monitor is used for displaying the simulation thereof.

5 12. The system according to Claim 6,

wherein said development means displays the icons in the display area, illustrates the operation of said object while said implement means implements the program, whereby the monitor is used for displaying the operation thereof.

10 13. The system according to Claim 7,

wherein said implement means sends messages to and/or receives messages from said object according to the developed program.

15 14. The system according to Claim 7,

wherein said object is connected with said controller through an interface serving functions including a Plug and Play function or a Hot Plug function.

20 15. A storage media storing

a computer program for execution on a system which comprises a controller,

a monitor connected with said controller,

25 at least one object to be controlled, said object

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implement means for implementing the program developed
by said development means, and

said system in which said object includes at least one device,

a first subprocess, in which said development means
acquires a global unique ID or another similar data thereto
from said device;

a third subprocess, in which said development means provides a display area on the monitor, in which at least one icon is displayed, the icon representing for said

object connected to said controller or said object to be



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5 display area onto the development area, thereby to develop
an application program.

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